



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 24] NEW DELHI, SATURDAY, JUNE 16, 1990 (JYAISTHA 26, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 16th June 1990

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Telegraphic address "PATENTOFIC".

1—107 GI/90

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Madras-600 002.

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Telegraphic address "PATENTOFIS".

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"NIZAM PALACE", 2nd M.S.O. Bldg.,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 0020.

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## पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 16 जून 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,  
टोडी इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं  
संघ शासित क्षेत्र गोवा, दमन तथा दिव एवं  
दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
एक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश  
राज्य क्षेत्रों एवं संघ शासित क्षेत्र  
चंडीगढ़ तथा विल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
61, वालाभाह रोड,  
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र  
एवं संघ शासित क्षेत्र पाण्डिचेरी,  
लक्षद्वीप, मिनिकाय तथा  
एम्निनिदिव द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहत्तलीय कार्यालय भवन,  
5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700 020.

भारत का विशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में  
अर्पित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख  
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए  
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा  
आक आवेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 020

The dates shown in the crescent brackets are the dates  
claimed Under Section 135, of the Patents Act, 1970.

The 2nd May 1990

- 359/Cal/90. Mr. Anup Kumar Rai, Prestressed concrete  
Slabs for Mine Supports.
- 360/Cal/90. Mr. Anup Kumar Rai, Prestressed concrete  
mine track sleepers.
- 361/Cal/90. General Electric Company, Single crystal  
diamond of very high thermal conductivity.
- 362/Cal/90. Sinvent As, Serpent sediment sluicing system.
- 363/Cal/90. Inductotherm Corp, Apparatus for induction  
melting of metals without a crucible.  
(Conventional date 09th April 1990).
- 364/Cal/90. Foster Wheeler Energy Corporation, Fluidized  
bed reactor utilizing an internal solids separator.
- 365/Cal/90. Henri E. Rosen, Shoe fitting system.

The 3rd May 1990

- 366/Cal/90. Melamine Chemical Inc., Method of pro-  
ducing a fertilizer composition. [Divisional date  
18th August 1987].
- 367/Cal/90. Melamine Chemical Inc., Method of pro-  
ducing a composition of matter of water soluble  
central mass of plant food compound.  
[Divisional dt. 18th August 1987].
- 368/Cal/90. Hoechst Aktiengesellschaft, Water soluble  
fibre, reactive dyestuffs, processes for their pre-  
paration and their use.
- 369/Cal/90. Berd Hansen, Ampule.
- 370/Cal/90. Hoechst Aktiengesellschaft, Water-soluble  
Azo Dyes, processes for their preparation and  
their use.

The 4th May 1990

- 371/Cal/90. Mitsui Toatsu Chemicals, Inc., Polyurethane  
resin and foams and process for preparing the  
same.

## The 7th May 1990

372/Cal/90. Critikon Inc, Catheter with Backflow Restriction.

373/Cal/90. E. I. Du Pont De Nemours and Company, High speed Crosslapper.

## The 8th May 1990

374/Cal/90. Siemens Aktiengesellschaft, Actuating mechanism for a Vacuum Type Interrupter with a Contact (Force) Spring.

375/Cal/90. Ronnie G. Patterson & Hedayat H. Hassanzaheh, Casing Centralizer.

## The 10th May 1990

376/Cal/90. E. I. Du Pont De Nemours and Company, Ultrasonic Probe.

377/Cal/90. Samsung Electron Devices Co., Ltd., Cathode Ray Tube Interior Gas Removing Device.

378/Cal/90. Francine Schneider Geborene Loegel, Method and Apparatus for Material Removing.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

## The 26th March 1990

303/Del/90. UOP, "Porous solid phosphoric acid catalyst system and process using same".

304/Del/90. Miner Enterprises Inc, "Friction elastomer draft gear".

305/Del/90. Imperial Chemical Industries PLC, "Optical disc cartridge with a flexible storage medium".

306/Del/90. The Lubrizol Corporation, "A process for the preparation of a norbornyl dialkylthiophosphate adduct". [Divisional date 16th April 1987].

307/Del/90. UOP INC., "A hydrocracking catalyst composition". [Divisional date 16th April 1987].

## The 27th March 1990

308/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of arboristosiside A, arboristosiside B, arboristosiside C, arboristosiside D, arboristosiside E and 6 B-hydroxy loganin from the seeds of the plant nycatanthes arboristosis".

309/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of product having antileishmanial activity from the seeds of the plant nycatanthes arboristosis linn".

310/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of crystalline metallo-titanium-silicate 1 catalyst composite material".

311/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of copper sulphate directly from its sulphide ores/concentrates".

312/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of zinc sulphate from zinc sulphide ore/concentrate and manganese dioxide/manganese ore".

313/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of lead salts directly from lead sulphide ore/concentrate".

314/Del/90. Prabhat Kumar, "Device for separating particle and stream from the carrier medium and method thereof".

315/Del/90. Pfizer Inc, "3-substituted-2-oxindole derivatives".

316/Del/90. Alcan International Ltd., "Thin film diagnostic device".

(Convention date 28th April, 1989) (Canada).

317/Del/90. Alain Hammami, "Single-use hypodermic syringe".

## The 28th March 1990

318/Del/90. Golden Peacock Overseas Pvt. Ltd., "Push bar lampholder (Switched)".

319/Del/90. Imperial Chemical Industries PLC, "Polymer production".

(Convention date 12th April, 89, 19th May, 89 & 4th October, 1989) (U.K.).

320/Del/90. Exxon Chemical Patents, Inc, "Thermoelastic composition of ethylene-1-olefin copolymer and rubber".

321/Del/90. Richter Gedeon Vegeszeti Gyar RI, "Novel thiouracil derivatives, pharmaceutical compositions containing them and process for preparing same".

322/Del/90. Dorr-Oliver Incorporated, "Ash classifier-cooler-combustor".

## The 29th March 1990

323/Del/90. Horsell Graphic Industries Ltd., "A method for the processing of lithographic printing plates". [Divisional date 31st March, 1987].

324/Del/90. Maheco Pty. Ltd., "Meat preservation".

## The 30th March 1990

325/Del/90. The Lubrizol Corporation, "Methods for reducing friction between relatively slideable-components using metal overbased colloidal disperse systems".

326/Del/90. The Lubrizol Corporation, "Method for reducing friction between railroad wheel and railway track using metal overbased colloidal disperse systems".

327/Del/90. Hans Jacob Clausen, "Process and plant for producing heat treated growth substrate or manure".

328/Del/90. Imperial Chemical Industries PLC, "Water/melt-in-oil emulsion explosive composition". (Convention date 10th April, 1989) (U.K.).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR.

SUN MILI COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013.

## The 3rd April 1990

79/Bom/90. Hindustan Lever Ltd. A process for hydrogenation of unsaturated hydrocarbons.

## The 6th April 1990

800/Bom/90. Ratnakar Ganesh Patwardhan. A Coupling.

## The 9th April 1990

81/Bom/90. Apex Explosives (P) Ltd. Water in Oil Cast Emulsion Explosive Composition.

## The 11th April 1990

82/Bom/90. Hawkins Cookers Ltd. A novel, dual function, dual metal thermally fusible type safety release valve for use in domestic pressure cookers.

APPLICATIONS FOR PATENTS FILED AT THE PATENT  
OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

The 9th April 1990

- 255/Mas/90. Tea Estates India Limited. Shears for use in tea plantations.
- 256/Mas/90. Sudarsan Varadaraj. Uninflated precured tyre retreading.
- 257/Mas/90. Sudarsan Varadaraj. Repairing of tyres using precured or dual cure repair patches.
- 258/Mas/90. Sudarsan Varadaraj. Retreading of agricultural, industrial and off-the-road tyres with preformed and precured tread segments.
- 259/Mas/90. Mouser-Werke GmbH. Apparatus and method for blow-moulding a hollow body.
- 260/Mas/90. Minnesota Mining and Manufacturing Company. Azlactone graft copolymers.
- 261/Mas/90. Owens Illinois Glass Container INC. Lehr Loader pickup arm.

The 10th April 1990

- 262/Mas/90. P. U. Mahesh. Non fade sequential display with 555 chip.
- 263/Mas/90. P. U. Mahesh. Digital for engine lock with alarm.
- 264/Mas/90. Radex-Heraklith Industriebeteiligungs Aktiengesellschaft. Process for manufacturing monocrystals of the peri-class-type.
- 265/Mas/90. Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive tape fastener for releasably attaching an object to a fabric.
- 266/Mas/90. Massachusetts Institute of Technology. External cavity semiconductor laser.

The 11th April 1990

- 267/Mas/90. GEC Plessey Telecommunications Limited. Protective arrangement for telecommunications line interface circuit.
- 268/Mas/90. GEC Plessey Telecommunications Limited. A printed wiring board mounting assembly.
- 269/Mas/90. Takeda Chemical Industries, Ltd. Diaminoethylene Compounds.
- 270/Mas/90. Maschinenfabrik Rieter AG. Transporting packages of spinnable strand in and to the creel of a textile machine.

The 12th April 1990

- 271/Mas/90. Jose P. Verghese. An instrument for tapping rubber trees.
- 272/Mas/90. K. A. Joy. J. K.'s Tapioca and banana slicer.
- 273/Mas/90. Geneshmal Shantilal. Enclosure type garbage carrier.
- 274/Mas/90. Sarma Sundaram & Ceat Tyres of India Limited. A FRP rotor for water pumping wind mill.
- 275/Mas/90. Girivas Viswanath Shet. Heart to heart helping scheme through cheque payment nature.
- 276/Mas/90. Westmart Hill Limited. Method for the preparation of new antimicrobial phenazice derivatives. (July 24, 1989: Ireland).
- 277/Mas/90. Amsted Industries Incorporated. Friction shoe assembly for repair of worn railway truck.
- 278/Mas/90. Amsted Industries Incorporated. Improved pulling lug for railway vehicle coupler.

PATENT SEALED

164935	165321	165328	165329	165331	165333	165334
165349	165361	165367	165374	165376	165377	165392
165393	165394	165402	165404	1654006	165409	165411
165412	165413	165414	165415	165422	165424	165428
165429	165431	165432	165435	165438	165451	165454
165456	165459.					

CAL=24.

DEL=5.

MAS=4.

BOM=4.

RENEWAL FEES PAID

145211	146284	146320	146535	147587	147779	148514
149070	149279	149302	149743	149905	150001	151419
151616	152001	152086	152252	152524	152878	153287
154269	154597	154622	154785	154837	155077	155371
155394	155877	156245	156666	157721	158001	158682
158771	158952	159035	159038	159555	160990	160988
161027	161338	161814	161866	162344	162384	162712
162927	163229	163574	163617	163667	163894	164723
164768	164786	164896	164983	164993	165227	165228
165244	165246	165282	165285	165287.		

CESSATION OF PATENTS

141906	160717	160155	161020	161637	161730	164118
164016.						

COMPLETE SPECIFICATION ACCEPTED

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आर्बेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हों के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मूद्रित प्रतियां, भारत सरकार बक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय होते तथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मूद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टीकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय में पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश का पृष्ठ

संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (वर्षाविक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो निप्यान्तरणप्रभार का परिकलन किया जा सकता है।

Int. Cl. : B 04 c 7/00.

166611

## CYCLONE SEPARATOR.

Applicant : B. W. N. VORTOIL RIGHTS CO. PTY. LTD., OF 4 PARK DRIVE, DANDENONG, 3175, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventors : (1) DEREK ALAN COLMAN, (2) MARTIN THOMAS THEW.

Application No. 451/Cal/86 filed June 17, 1986.

Convention dated 17th June, 1985 No. 8515263, Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

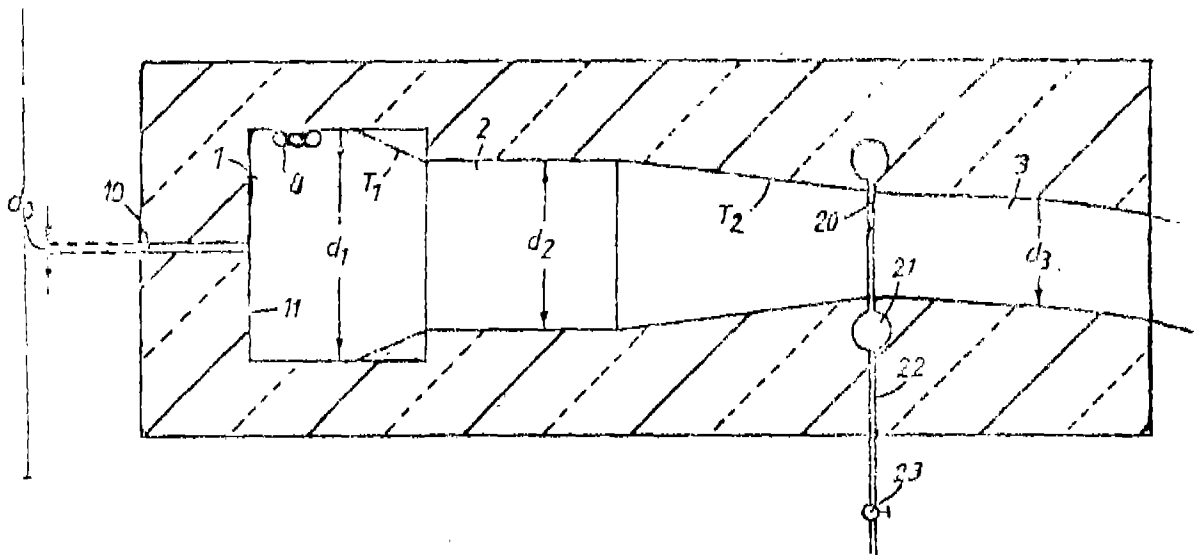
## 12 Claims

A cyclone separator comprising:

a separating chamber;

at least one inlet for introducing feed to be separated in the cyclone separator and at least two outlets for discharging material from the separating chamber;

at least one generally circumferential slot disposed in the wall of said separating chamber downstream of the or each said inlet said slot leading to or communicating with an exit from said separating chamber.



Compl. specn. 13 pages.

Drg. 1 sheet

CLASS : 160-A.

166612

Int. Cl. : B 60 t 1/00; 8/00; 15/00.

CONTROL VALVE FOR USE IN A VEHICLE SKID CONTROL SYSTEM.

Applicant : KELSEY-HAYES COMPANY, OF 38381 HURON RIVER DRIVE, ROMULUS, MICHIGAN 48174, U.S.A.

Inventors : (1) PETER EVERY, (2) EDWARD NELSON FULLER, (3) DAVID THEODORE AYERS.

Application No. 608/Cal/86 filed August 08, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 10 Claims

A control valve for use in a vehicle skid control system adapted to control the application of pressurized brake fluid to at least one selected vehicle brake or set of brakes, said valve comprising :

an outer housing having an inlet coupled to receive pressurized brake fluid and an outlet coupled to supply pressurized brake fluid to the selected vehicle brake, said housing having a passageway formed therein for connecting said inlet to said outlet;

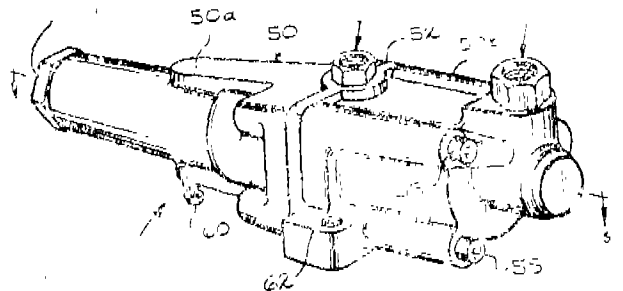
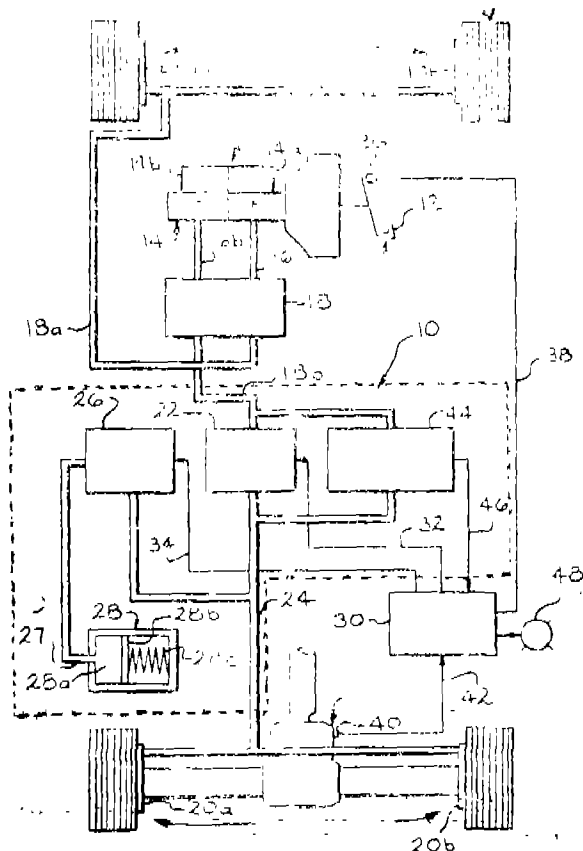
normally open isolation valve means located in said passageway for controlling the flow of fluid through said passageway between said inlet and said outlet, said valve means movable between a normally open position wherein fluid can flow from said inlet to said outlet and a closed position wherein fluid is prevented from flowing from said inlet to said outlet;

means for exerting a biasing force to urge said valve means toward said normally open position;

solenoid means responsive to a control signal for moving said valve means from said open position to said closed position;

said valve means and said housing means cooperating to define a chamber for containing brake fluid, said chamber varying in volume as said valve means is moved from said closed position to said open position; and

hydraulic damping means associated with said valve means for restricting fluid flow between said passageway and said chamber for damping the movement of said valve means as said valve means is moved from said closed position to said open position whereby the opening of said valve means is precisely controlled.



Compl. specn. 28 pages.

Drgs. 3 sheets

CLASS : 40-A<sub>1</sub>; 40-H.

166613

Int. Cl. : B 01 d 53 36.

A PROCESS FOR REMOVING A GASEOUS SULFUR COMPONENT FROM A MIXTURE OF GASES CONTAINING SULFUR OXIDES.

Applicant : TEXACO DEVELOPMENT CORPORATION, 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, U. S. A.

Inventors : (1) PAUL HERBERT LEWIS, (2) EUGENE PEI-SHING DAI, (3) EDWARD HARLAND HOLST.

Application No. 622/Cal/1986 filed August 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 6 Claims

A process for removing a gaseous sulfur component from a mixture of gases containing sulfur oxides which comprises :

contacting said mixture of gases containing sulfur oxides at 800°F—1500°F with a catalyst composite containing a porous refractory support bearing as a first component (i) at least a compound of one of bismuth, chromium, and a rare earth metal and as second component (ii) at least one compound such as herein described containing alkali metal, said first component being present in amount of 0.5 w%—10 w% based upon said support and second component being present in amount of 0.4 w%—10 w% based upon said support.

Compl. specn. 32 pages.

Drg. Nil

CLASS : 72-B.

166614

Int. Cl. : C 06 b 25/00; 29/00; 31/20 & 45/32.

A METHOD OF PREPARING A CASTABLE COMPOSITE EXPLOSIVE PROPELLANT FLARE OR GAS GENERATOR COMPOSITION.

Applicant : MEGABAR CORPORATION, OF 2200 WEST 4100 NORTH, OGDEN, UT 84404, UNITED STATES OF AMERICA.

Inventors : M. TAYLOR ABEGG, AND JOHN A. PETERSON.

Application No. 667/Cal/1986 filed September 03, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 50 Claims

A process for preparing a castable composite explosive, propellant, flare, or gas generator composition, comprising in combination :

a substantially water-free, stable emulsion of molten inorganic oxidizer salt(s),

such as herein described fuel(s);

such as herein described surfactant(s);

such as herein described and optional additives such as herein described, the fuel(s) and surfactant(s) forming the continuous phase in which the oxidizer phase is dispersed in the form of discrete cells which solidify upon cooling without material disruption of the fuel phase continuum;

the surfactants being selected for their capacity to form an emulsion at process temperatures which retains substantial fuel phase continuity during solidification;

the oxidizer phase being at least 75% by weight of emulsion;

the fuel phase being present in the range of 2—25% by weight of the composition the final product being solid, firm or rigid;

wherein water may be present as water of hydration or because of the hygroscopic nature of the ingredients and is limited to 3% maximum by weight of the composition the process comprising heating the ingredients until they are molten, mixing the ingredients until they are molten, mixing the ingredients while in the molten state, forming a stable emulsion in which the hydrocarbon fuel forms the continuous phase and the molten oxidizer forms the discontinuous phase, and cooling the emulsion until the individual oxidizer droplets solidify as separate cells without material disruption of the fuel continuum, the ingredients being added in amounts so as to provide the described percentage of the ingredient in the composition.

Compl. specn. 30 pages.

Drg. Nil

CLASS : 128-F, G, H.

166615

Int. Cl. : A 61 f 5/455; A 61 m 31/00.

A DEVICE FOR COLLECTING FLUID DISCHARGE FROM THE UTERUS COMPOSED OF FLEXIBLE MATERIAL TO BE POSITIONED ENTIRELY WITHIN A HUMAN FEMALE VAGINA AND AN ONE PIECE APPLYING INSTRUMENT FOR POSITIONING THE SAID DEVICE.

Applicant : CHATTAN NOMINEES PTY. LTD. OF 68 MANNINGTREE ROAD, HAWTHORN, VICTORIA 3122, AUSTRALIA.

Inventor : JOHN FRANCIS CATTANACH.

Application No. 684/Cal/1986 filed September 16, 1986.

Convention dated September 13, 1985; No. PH 2413; Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 25 Claims

A device for collecting fluid discharge from the uterus composed of flexible material to be positioned entirely within a human female vagina comprising :

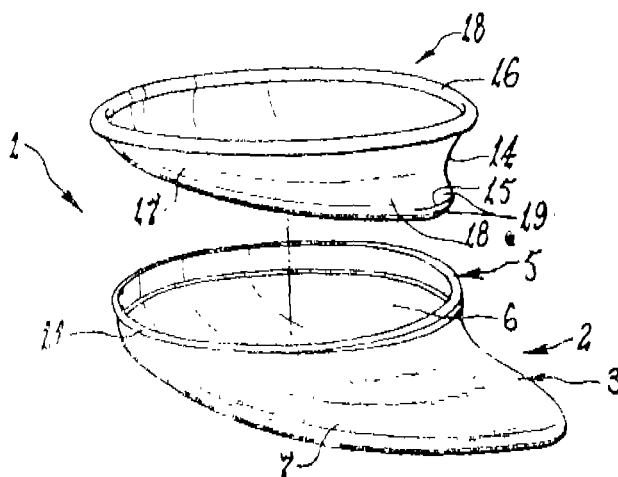
a receptacle having a body providing a collection chamber with a collection section in which fluid is collected, and rim on the body forming an inlet opening into the collection;

chamber through which fluid passes into the collection chamber; and

a trap valve within the collection chamber between the inlet opening and the collection section for trapping fluid in the collection section;

the trap valve having an aperture that opens for fluid flow into the collection section but closes to inhibit fluid flow out of the collection section;

the device adapted for being positioned entirely within the vagina so that the opening faces upstream toward the cervix with the collection chamber extending downstream therefrom whereby fluid discharged from the uterus through the cervix flows through the inlet opening and the trap valve aperture to be collected in the collection section of the collection chamber.



Compl. specn. 17 pages.

Drgs. 3 sheets

CLASS : 123.

166616

Int. Cl. : C 05 c 9/00, 13/00.

A METHOD OF PRODUCING FERTILIZER GRANULES CONTAINING UREA AND AMMONIUM SULPHATE.

Applicant : MEDERLANDS STIKSTOF MAATSCHAPPIJ B. V. OF INDUSTRIEWEG 10, 4541 HJ SLUISKIL, THE NETHERLANDS.

Inventors : (1) LUC ALBERT VANMARCKE, (2) WALTER EDMOND MATHILDE CARDON.

Application No. 728/Cal/86 filed October 07, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

A method of producing fertilizer granules containing urea and ammonium sulphate by granulating a mixture containing urea, ammonium sulphate and water, characterized in that the ammonium sulphate is completely dissolved in an aqueous urea solution with a urea concentration of 70—85% by weight, the resulting solution is thickened to a dry content of 92—97% by weight, with a crystallization retarder for the urea being added in an amount 0.1 to 2.0% by weight calculated on the quantity of urea and ammonium sulphate in any stage of the treatment, following which the thickened solution is granulated in a fluidized bed of urea and ammonium sulphate containing nuclei, the crystallization retarder being selected from water-soluble addition and condensation products of urea and formaldehyde, magnesium oxide as such or in the form of selectively or completely calcined dolomite, magnesium hydroxide and water-soluble inorganic magnesium salts and water-soluble inorganic aluminum salts.

Compl. specn. 13 pages

Drg. Nil

Int. Cl. : H 01 q 1/32.

166617

**AN ANTENNA DUCT FOR AN ANTENNA MATCHING DEVICE.**

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNICH 2, WEST GERMANY.

Inventors : HANS LUDWIG BETZLER AND PETER PERNUTZ.

Application No. 874/Cal/1986 filed December 03, 1986.

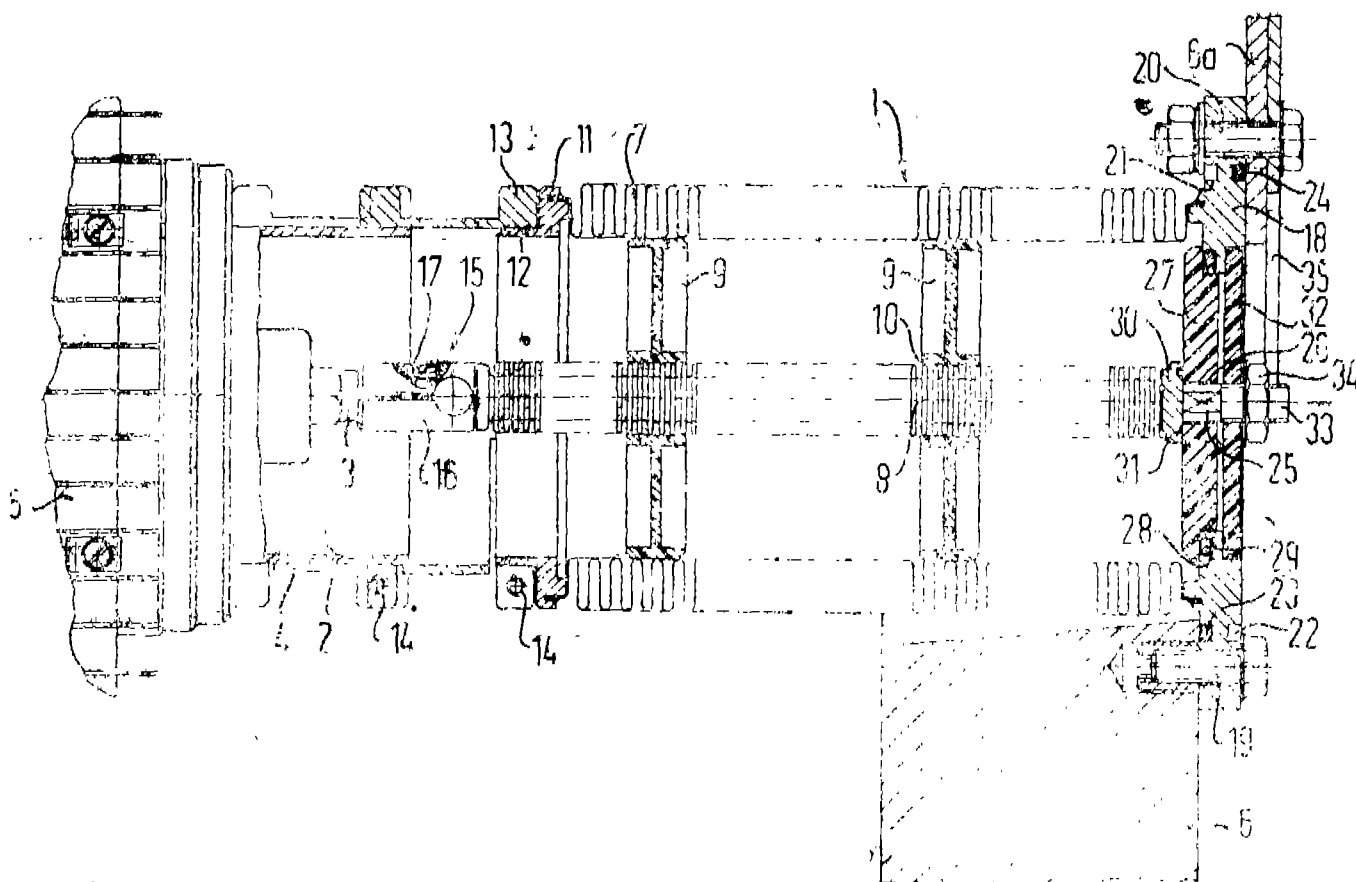
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**8 Claims**

An antenna duct for an antenna matching device which serves to lead the device output through a solid wall, e.g. a vehicle or shelter wall and which serves to connect the device output to an antenna, characterized by the following features :

(a) the outer conductor of the duct consists of a flexible corrugated tube;

- (b) one end of said outer conductor corrugated tube is provided with a tubular flange, said tubular flange is adapted to be connected to a tubular portion of the outer conductor of the device output through a tubular sleeve;
- (c) at its other end, said outer conductor corrugated tube is provided with an annular second flange, said second flange is adapted to be connected to the inside or outside of the solid wall;
- (d) the inner conductor of the duct likewise consists of of flexible corrugated tube of a substantially smaller diameter than the other conductor corrugated tube and extending substantially concentrically therein;
- (e) the inner conductor corrugated tube is provided with a clamping component at its one end onto which the inner conductor of the matching device can be clamped and at its other end the said inner conductor is provided with an output component, the said output component being fitted into a corresponding axial hole in a disc made of insulating material to maintain the same rotation resistant the said disc being adapted to about against the internal face of the annular radially inwardly extending portion of the second flange inside the tubular duct, the free end of said output component extending through the disc.



Compl. specn. 12 pages.

Drg. 1 sheet

CLASS : 127-A.

166618

Int. Cl. : F 16 d 23/00.

**A CLUTCH CONTROL SYSTEM.**

Applicant : EATON CORPORATION, OF EATON CENTRE CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventors : EUGENE RALPH BRAUN.

Application No. 897/Cal/86 filed December 09, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 6 Claims

A clutch control system for controlling rate of engagement between a driven member of a clutch assembly and a driver member of the clutch assembly or of an engine having an adjustable throttle, said system comprising :

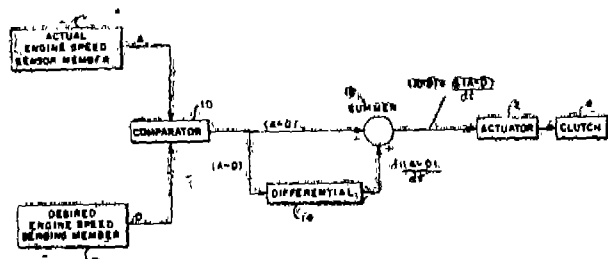
a first sensor member operative to provide a first signal corresponding to actual speed of said driver member;

a second sensor member operative to provide a second signal corresponding to desired speed of said driver member;

comparison means connected to the first and second sensors for comparing said first and second signals and operative to provide a difference signal;

a differential means connected to the comparison means and operative to provide the rate of change of the difference between said driver member actual speed and said driver member desired speed with respect to time;

control means being operative to regulate the speed of rotation of said driver member in relation to the difference between said driver in relation to the difference between said driver member actual speed and a driver member desired speed and in relation to the rate of change of the difference between said driver member actual speed and said driver member desired speed with respect to time.



Compl. specn. 16 pages.

Drgs. 3 sheets

CLASS 9-D.

166619

Int. Cl. : C 22 c 38/02, 38/06, 38/12, 38/26, 38/32.

ACTIVATOR MIXTURE FOR INCREASING THE STRENGTH OF IRON ALLOYS.

Applicant & Inventors : (1) MR. HENRIK GIFLO, 3532 MISKOLC, UJITOK UTON 5, HUNGARY, (2) MR. HENRIK GIFLO, 3529, MISKOLC, IFPSAG UT 4, HUNGARY.

Application No. 918/Cal/86 filed December 17, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A process for producing steel of utilizable strength by a process known per se characterized in that an activator composition is added during manufacture in the steel and that the said composition consists essentially Ca and/or Na 16 to 30%; Si 13 to 30% V and/or Mo 2 to 28%; Nb and/or Ta 2 to 25%; Zr and/or Ce 2 to 15%; Ti 2 to 14%; Al and/or Ba 1 to 15%; B and/or Be 0.1 to 3.0%; C 1 to 5%; Fe 5 to 20% and N 1 to 10%.

Compl. specn. 11 pages.

Drg. Nil

CLASS 123.

166620

Int. Cl. : C 05 c 9/00, 7/00

A PROCESS FOR THE PREPARATION OF A NEW MODIFIED UREA PHOSPO-GYPSUM GRANULAR PRODUCT.

Applicant : THE PROJECTS & DEVELOPMENT INDIA LIMITED, SINDRI-828122, DHANBAD (BIHAR), INDIA.

Inventors : (1) MAGENDRA PRASAD MISRA, (2) NANDA GOPAL SINHA, (3) JESEEM AHMAD KHAN.

Application No. 924/Cal/86 filed December 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A Process for the preparation of a modified urea granular fertilizer of good quality which comprises preparing a melt of urea in water followed by incorporating an adduct forming material selected from gypsum or phosphogypsum into a melt, said incorporation being carried out at temperature in the range of 85°C to 120°C, preparing a thorough blend of the mix so obtained and thereafter cooling the melt mix to obtain a material of paste-like consistency and, thereafter, subjecting the said paste to granularization in a granulator and wherein gypsum or phosphogypsum is used in amounts of 5% to 25% by weight of urea and more preferably from 20% to 25% by weight of urea.

Compl. specn. 14 pages

Drg. Nil

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161574. The Jay Engineering Works Ltd., of 23, Kasturba Gandhi Marg, New Delhi-110001, India, an Indian Company. "Fan Stand". 6th November, 1989.

Class 1. No. 161673. Vinodrai Vandravandas Barchha, an Indian of A-6, Adinath Tower, Sitaram Pandit Marg, Rajkot-360 001, Gujarat, India. "Container". 4th December, 1989.

Class 1. No. 161695. Swan Vacuum Systems Ltd., 8-2-540/3 Road, No. 4, Banjara Hills Hyderabad 500 034, Andhra Pradesh, India, a company duly organised and existing under the laws of the Union of India. "Vacuum Flasks". 12th December, 1989.

Class 1. No. 161978. R. A. Industries, a Sole Proprietary Concern, Indian National, of 46/950 Azad Nagar No. 3 Veera Desai Road, Andheri (West), Bombay-400 058, in the State of Maharashtra, India. "Hinge". 26th March, 1990.

Class 3. No. 161581. Multichem Pvt. Ltd., National House, 6, Tulloch Road, Bombay-39, Maharashtra, India, a Private limited company incorporated under the Indian Companies Act. "File-Clip". 8th November, 1989.

Class 3. Nos. 161621 & 161622. Plastatech, U-No. 140, Veena Dalwai Ind. Estate, S. V. Road, Jogeshwari (W), Bombay-400102, State of Maharashtra, India, an Indian Partnership firm. "BOX". 23rd November, 1989.

Class 3. Nos. 161671 & 161672. Vinodrai Vandravandas Barchha, an Indian of A-6, Adinath Tower, Sitaram Pandit Marg, Rajkot-360 001, Gujarat, India. "Container". 4th December, 1989.

Class 3. No. 161891. Pharma Care Pvt. Limited, of 40, G. N. Chetty Road, Madras-600017, Tamil Nadu, India, an Indian Company. "a Container". 16th February, 1990.

Class 3. Nos. 161930 & 161931. Plastic Dies Company, a Sole Proprietary Concern, whose proprietor is pladio plastic Dies Company Private Limited, a Company incorporated under the Indian Companies Act, 1956, whose address is Krishna Bhavan, 22-B, Govandi Station Road, Dsonar, Bombay-400 088. in the State of Maharashtra, India. "Base for Mixer/Grinder". 12th March, 1990.

Class 6. No. 161577. Sportset Comfort, a French Limited Liability Company of 12 bis Allee Nicolas

Carnot 93340 LE RAINCY, France. a "Golf Bag Accessories Holder". 7th November, 1989.

Class 10. No. 161900. ICT Industries, a registered Partnership firm. "Footwear". 22nd February, 1990.

*Copyright Extended for the Second Period of five years.*

No. 1555002. Class-1.

Nos. 155503 161685. Class-3.

No. 155504. Class-4.

*Copyright Extended for the Third Period of five years.*

No. 155502. Class-1.

No. 161685. Class-3.

R. A. ACHARYA,  
Controller General of Patents,  
Designs and Trade Marks